



RAN-2406120901010502

M. D. (Physiology) Examination September - 2025

Paper - II

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Physiology)

Name of the Subject :

Paper - II

Subject Code No.: **2406120901010502**

Seat No.:

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Student's Signature

- (2) All questions are compulsory except where choice is given.
- (3) Write legible and to the point.
- (4) Draw diagrams wherever necessary.
- (5) Figures on the right indicate marks.

- Q. 1.** Define and classify immunity. Describe the mechanism of cell mediated immunity. Add a note on immunization citing examples. **(25)**
- Q. 2.** Describe the characteristics of various types of Hypoxia. Add a note on acute mountain sickness and explain the physiological changes that occur during acclimatization to high altitude. **(25)**
- Q. 3.** Define and classify circulatory shock etiologically. Describe the pathophysiology of progression of various stages of shock. Add a note on the basic principles of management of shock. **(26)**
- Q. 4.** Write short notes on: **(8×3=24)**
 - a. Physiology of Deglutition and achalasia cardia.
 - b. Gut Brain axis.
 - c. Gastric mucosal barrier and physiological basis of treatment of Acid peptic disease.